

Inventor(s): Susan E. Bach et al.  
For: POLARIZATION DIVISION DUPLEXING WITH CROSS POLARIZATION INTERFERENCE CANCELLER

BOX PATENT APPLICATION  
ASSISTANT COMMISSIONER FOR PATENTS  
Washington, D.C. 20231

27431

(Insert Customer Number)

Sir:

Transmitted herewith for filing is the patent application of:

## Enclosed are:

- 17 Pages of Specification 9 Page(s) of Claims 1 Page Abstract  
4 Sheet(s) of drawing ☒ formal ☐ informal  
☒ Combined Declaration for Patent Application and Power of Attorney. ☒ executed ☐ unexecuted  
☒ Form PTO-1595 and an assignment of the invention to The Boeing Company, P.O. Box 3707, MC 13-08, Seattle, Washington 98124-2207 ☐ Will follow.  
☐ A certified copy of \_\_\_\_\_ from which priority is claimed in the subject case pursuant to Rule 55b and 35 U.S.C. 119. ☐ Will follow.  
☐ An associate Power of Attorney  
☐ A verified statement to establish small entity status under 37 CFR 1.9 and 37 CFR 1.27.  
☒ Information Disclosure Statement, Form PTO 1449 and 5 prior art reference(s).  
☐ Preliminary Amendment.  
☒ General Authorization/Request to Petition for extension of time.  
☒ Return Receipt Postcard

FOR:	NO. FILED	NO. EXTRA	SMALL ENTITY RATE	SMALL ENTITY FEE		OTHER THAN SMALL ENTITY RATE	OTHER THAN SMALL ENTITY FEE
BASIC FEE				\$370.00	OR		\$ 740.00
TOTAL CLAIMS	27-20=	-7-	X 9	\$	OR	X 18	\$ 126.00
INDEP CLAIMS	4-3=	-1-	X 42	\$	OR	X 84	\$ 84.00
MULTIPLE			X 140	\$	OR	+ 280	\$
DEP CLAIMS			TOTAL =			TOTAL:	\$ 950.00
PRESENTED							

- ☐ Please charge my Deposit Account No. 50-0851 the amount of \$ \_\_\_\_\_ to cover the filing fees. A duplicate copy of this sheet is enclosed.  
☒ A check in the amount of \$950.00 to cover the filing fee is enclosed.  
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☐ The issue fee set in 37CFR 1.18 at or before mailing of the Notice of Allowance, pursuant to 37 CFR 1.31(b).  
☐ Any filing fees under 37 CFR 1.16 for presentation or extra claims.

Respectfully submitted,

Michael A. Shimokaji, Reg. No. 22,303

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Susan E. Bach et al.

For: POLARIZATION DIVISION DUPLEXING WITH CROSS POLARIZATION INTERFERENCE  
CANCELLER

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**CERTIFICATE OF EXPRESS MAILING**

BOX PATENT APPLICATION  
Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

"EXPRESS MAIL" Mailing Label No.: EL887875090US

Date of Deposit: February 27, 2002

I hereby certify that an application for patent, including:

17 pages of Specification, 9 pages of claims, a one-page Abstract; 4 Sheet(s) of formal Drawings; Combined Declaration for Patent Application and Power of Attorney; General Authorization/Request to Petition for Extensions of Time; a check in the amount of \$950.00 to cover the filing fee; an executed Assignment document and Form PTO 1595; along with a check in the amount of \$40.00 to cover the assignment recordal fee; an Information Disclosure Statement and Form 1449 with five (5) prior art references; a Transmittal Letter (Form PTO 1082); and Return Postcard are being deposited with the U.S. Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. § 1.10 on the date indicated above and is addressed to: BOX PATENT APPLICATION, Assistant Commissioner for Patents, Washington, D.C. 20231.

Date of Deposit: 2/27/02

Michael A. Shimokaji  
Michael A. Shimokaji, Reg. No. 32,303